INTERNATIONAL SEARCH REPORT



International Application No

PCT/US 03/40059 A. CLASSIFICATION OF SUB IPC 7 C09D7/00 SUBJECT MATTER C09D5/04 C09D11/02 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 CO9D BO1F Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Category * 1-3,5,6, X EP 0 407 074 A (EXXON CHEMICAL PATENTS INC) 9 January 1991 (1991-01-09) 10,11, 13,16-20 page 2, line 45 - page 3, line 7 page 3, line 38 - line 52 page 4, line 18 - line 28 page 4, line 54 - page 5, line 5 examples A,1-9 EP 0 401 868 A (LUBRIZOL CORP) 1-10.Α 16-2Ó 12 December 1990 (1990-12-12) page 3, line 7 - line 24 page 6, line 20 - line 40 page 9, line 3 - line 57 page 10, line 43 Patent family members are listed in annex. X Further documents are listed in the continuation of box C. Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed Invention cannot be considered novel or cannot be considered to filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled in the art. document published prior to the international filing date but later than the priority date claimed *&* document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 22 April 2004 18/05/2004 Authorized officer Name and mailing address of the ISA

Fax: (+31-70) 340-3016

European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,

Matthijssen, J-J



INTERNATIONAL SEARCH REPORT

PORT

International Application No PCT/US 03/40059

Category
A EP 0 877 060 A (LUBRIZOL CORP) 11 November 1998 (1998-11-11) claim 12 A US 5 034 444 A (YUN HAN B ET AL) 23 July 1991 (1991-07-23) cited in the application column 2, line 63 - line 68 column 4, line 19 - line 42 column 6, line 42 - column 7, line 8
11 November 1998 (1998-11-11) claim 12 A US 5 034 444 A (YUN HAN B ET AL) 23 July 1991 (1991-07-23) cited in the application column 2, line 63 - line 68 column 4, line 19 - line 42 column 6, line 42 - column 7, line 8
23 July 1991 (1991-07-23) cited in the application column 2, line 63 - line 68 column 4, line 19 - line 42 column 6, line 42 - column 7, line 8

INTERNATIONAL SEARCH REPORT

Information on patent family members



International Application No PCT/US 03/40059

(-				PC1/U3 (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 0407074	Α	09-01-1991	AT	129276 T	15-11-1995
2. 0.0.0.	••	05 01 1551	AT	98671 T	15-01-1994
			CA	2062760 A1	27-12-1990
			CA	2063263 A1	27-12-1990
			DE	69005210 D1	27-01-1994
			DE	69005210 T2	19-05-1994
			DE	69023056 D1	23-11-1995
			DE	69023056 T2	21-03-1996
			DK	407074 T3	26-02-1996
			EP	0407074 A1	09-01-1991
			EP	0405879 A1	02-01-1991
			ES	2078310 T3	16-12-1995
			ËS	2047855 T3	01-03-1994
			MO	9100328 A1	10-01-1991
			WO	9100319 A1	10-01-1991
			GR	3017818 T3	31-01-1996
			JP	5504758 T	22-07-1993
			JP	5504781 T	22-07-1993
•			JP	3061412 B2	10-07-2000
			US	5283276 A	01-02-1994
EP 0401868	Α	12-12-1990	US	4591612 A	27-05-1986
			ΕP	0401868 A2	12-12-1990
			AT	136 92 1 T	15-05-1996
			AU	596350 B2	03-05-1990
			AU	5303486 A	26-08-1986
			BR	8507180 A	14-07-1987
			CA	1270588 A1	19-06-1990
			CN	86101020 A ,B	08-10-1986
			DE	3588101 D1	23-05-1996
			DE	3588101 T2	05-09-1996
			DK	484486 A	08-12-1986
				0214152 A1	18-03-1987
			EP		
			ES	8702167 A1	16-03-1987
			FI	864105 A	10-10-1986
			IN	165348 A1	23-09-1989
			JP	1019827 B	13-04-1989
			JP	62500387 T	19-02-1987
			MX	168688 B	04-06-1993
			NO	864064 A	03-12-1986
			WO	8604597 A1	14-08-1986
			ZA	8600145 A	24-09-1986
EP 0877060	Α	11-11-1998	US	6008278 A	28-12-1999
			CA	2236618 A1	09-11-1998
			DE	69819071 D1	27-11-2003
			ĒΡ	0877060 A2	11-11-1998
		_			
					10 04 1005
US 5034444	A	23-07-1991	CA	1335291 C	18-04-1995
US 5034444	A	23-07-1991	DE	68917051 D1	01-09-1994
US 5034444	Α	23-07-1991	DE	68917051 D1	
US 5034444	A	23-07-1991	DE DE	68917051 D1 68917051 T2	01-09-1994 05-01-1995
US 5034444	A	23-07-1991	DE DE DE	68917051 D1 68917051 T2 355712 T1	01-09-1994 05-01-1995 29-11-1990
US 5034444	A	23-07-1991	DE DE DE EP	68917051 D1 68917051 T2 355712 T1 0355712 A2	01-09-1994 05-01-1995 29-11-1990 28-02-1990
US 5034444	A	23-07-1991	DE DE DE EP JP	68917051 D1 68917051 T2 355712 T1 0355712 A2 2634269 B2	01-09-1994 05-01-1995 29-11-1990 28-02-1990 23-07-1997
US 5034444	A	23-07-1991	DE DE DE EP JP JP	68917051 D1 68917051 T2 355712 T1 0355712 A2 2634269 B2 4506527 T	01-09-1994 05-01-1995 29-11-1990 28-02-1990 23-07-1997 12-11-1992
US 5034444	A	23-07-1991	DE DE DE EP JP JP SE	68917051 D1 68917051 T2 355712 T1 0355712 A2 2634269 B2 4506527 T 465725 B	01-09-1994 05-01-1995 29-11-1990 28-02-1990 23-07-1997 12-11-1992 21-10-1991
US 5034444	A	23-07-1991	DE DE DE EP JP JP	68917051 D1 68917051 T2 355712 T1 0355712 A2 2634269 B2 4506527 T	01-09-1994 05-01-1995 29-11-1990 28-02-1990 23-07-1997 12-11-1992